

10577561

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Welcome to STN International! Enter x:x

LOGINID: ssspta1612bxr

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

10577561

information

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 17:00:03 ON 29 AUG 2008

FILE 'REGISTRY' ENTERED AT 17:00:10 ON 29 AUG 2008
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STRUCTURE FILE UPDATES: 28 AUG 2008 HIGHEST RN 1044598-04-0
DICTIONARY FILE UPDATES: 28 AUG 2008 HIGHEST RN 1044598-04-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>
Uploading C:\Documents and Settings\brobinson1\My Documents\jjj.str

L1 STRUCTURE UPLOADED

Updated Search

10577561

```
=> s 11
SAMPLE SEARCH INITIATED 17:04:48 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 178600 TO ITERATE

1.1% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**

PROJECTED ITERATIONS: 3547109 TO 3596891
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=>
Uploading C:\Documents and Settings\brobinsone\My Documents\asdgdg.str

L3 STRUCTURE UPLOADED

=> s 13
SAMPLE SEARCH INITIATED 17:05:48 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 8153 TO ITERATE

24.5% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 157647 TO 168473
PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L3

=> s 13 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 177.90 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 17:05:52 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 161859 TO ITERATE

100.0% PROCESSED 161859 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L5 0 SEA SSS FUL L3

=>
Uploading C:\Documents and Settings\brobinsone\My Documents\atwt.str

L6 STRUCTURE UPLOADED

=> s 16
SAMPLE SEARCH INITIATED 17:06:37 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 54399 TO ITERATE
```

Updated Search

10577561

3.7% PROCESSED 2000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1074064 TO 1101896
PROJECTED ANSWERS: 0 TO 0

L7 0 SEA SSS SAM L6

=>
Uploading C:\Documents and Settings\brobinsone\My Documents\adgbhtr.str

L8 STRUCTURE UPLOADED

=> s 18
SAMPLE SEARCH INITIATED 17:07:49 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 7713 TO ITERATE

25.9% PROCESSED 2000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 148995 TO 159525
PROJECTED ANSWERS: 0 TO 0

L9 0 SEA SSS SAM L8

=> s 18 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 177.90 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 17:07:53 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 153973 TO ITERATE

100.0% PROCESSED 153973 ITERATIONS
SEARCH TIME: 00.00.02

0 ANSWERS

L10 0 SEA SSS FUL L8

=>
Uploading C:\Documents and Settings\brobinsone\My Documents\artay.str

L11 STRUCTURE UPLOADED

=> s 111
SAMPLE SEARCH INITIATED 17:08:47 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 84811 TO ITERATE

2.4% PROCESSED 2000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**

Updated Search

10577561

BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 1678899 TO 1713541
PROJECTED ANSWERS: 0 TO 0

L12 0 SEA SSS SAM L11

=>
Uploading C:\Documents and Settings\brobinson1\My Documents\aesg.str

L13 STRUCTURE UPLOADED

=> s l13
SAMPLE SEARCH INITIATED 17:10:06 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 3237 TO ITERATE

61.8% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 61328 TO 68152
PROJECTED ANSWERS: 0 TO 0

L14 0 SEA SSS SAM L13

=> s l13 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 177.90 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 17:10:10 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 64538 TO ITERATE

100.0% PROCESSED 64538 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.04

L15 0 SEA SSS FUL L13

=>
Uploading C:\Documents and Settings\brobinson1\My Documents\nj.str

L16 STRUCTURE UPLOADED

=> s l16
SAMPLE SEARCH INITIATED 17:11:16 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 178600 TO ITERATE

1.1% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 3547109 TO 3596891
PROJECTED ANSWERS: 0 TO 0

L17 0 SEA SSS SAM L16

Updated Search

10577561

=>
Uploading C:\Documents and Settings\brobinson1\My Documents\shujn.str

L18 STRUCTURE UPLOADED

=> s 118
SAMPLE SEARCH INITIATED 17:12:01 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 8153 TO ITERATE

24.5% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 157647 TO 168473
PROJECTED ANSWERS: 0 TO 0

L19 0 SEA SSS SAM L18

=> s 118 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 177.90 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 17:12:05 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 161859 TO ITERATE

100.0% PROCESSED 161859 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.02

L20 0 SEA SSS FUL L18

=>
Uploading C:\Documents and Settings\brobinson1\My Documents\sysyj.str

L21 STRUCTURE UPLOADED

=> s 121
SAMPLE SEARCH INITIATED 17:13:45 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 6184 TO ITERATE

32.3% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 118965 TO 128395
PROJECTED ANSWERS: 0 TO 0

L22 0 SEA SSS SAM L21

=> s 121 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 177.90 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 17:13:49 FILE 'REGISTRY'

10577561

FULL SCREEN SEARCH COMPLETED - 123235 TO ITERATE

100.0% PROCESSED 123235 ITERATIONS 3 ANSWERS
SEARCH TIME: 00.00.04

L23 3 SEA SSS FUL L21

=> file hcaplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
FULL ESTIMATED COST ENTRY SESSION
900.08 900.29

FILE 'HCAPLUS' ENTERED AT 17:13:56 ON 29 AUG 2008
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FILE COVERS 1907 - 29 Aug 2008 VOL 149 ISS 10
FILE LAST UPDATED: 28 Aug 2008 (20080828/ED)

HCAplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 123
L24 1 L23

=> d 124, ibib abs fhitstr, 1

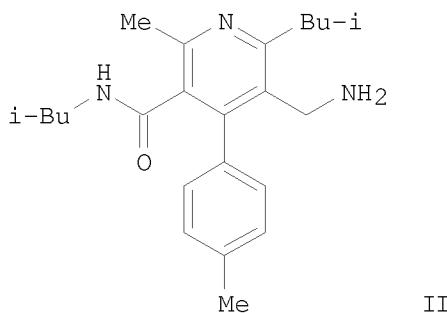
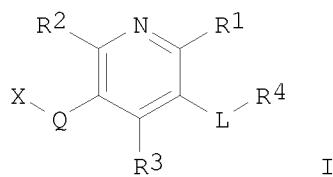
L24 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:409480 HCAPLUS
DOCUMENT NUMBER: 142:463610
TITLE: Preparation of pyridines as inhibitors of dipeptidyl peptidase IV useful for the prophylaxis or treatment of diabetes
INVENTOR(S): Oi, Satoru; Maezaki, Hironobu; Suzuki, Nobuhiro
PATENT ASSIGNEE(S): Takeda Pharmaceutical Company Limited, Japan
SOURCE: PCT Int. Appl., 431 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English

10577561

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005042488	A1	20050512	WO 2004-JP16457	20041029
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004285807	A1	20050512	AU 2004-285807	20041029
CA 2543529	A1	20050512	CA 2004-2543529	20041029
JP 2006016377	A	20060119	JP 2004-315517	20041029
EP 1678138	A1	20060712	EP 2004-793377	20041029
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
CN 1886376	A	20061227	CN 2004-80034965	20041029
BR 2004015960	A	20070116	BR 2004-15960	20041029
MX 2006PA03979	A	20060705	MX 2006-PA3979	20060407
US 20070037807	A1	20070215	US 2006-577561	20060428
IN 2006KN01220	A	20070427	IN 2006-KN1220	20060510
NO 2006002516	A	20060725	NO 2006-2516	20060531
KR 2008067013	A	20080717	KR 2008-715446	20080625
PRIORITY APPLN. INFO.:			JP 2003-373776	A 20031031
			JP 2004-30491	A 20040206
			JP 2004-165977	A 20040603
			WO 2004-JP16457	W 20041029
			KR 2006-708423	A3 20060429
OTHER SOURCE(S):	CASREACT 142:463610; MARPAT 142:463610			
GI				



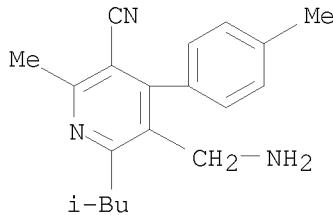
AB Title compds. I [wherein R1, R2 = independently (un)substituted hydrocarbyl, hydroxy; R3 = (un)substituted aryl; R4 = NH2 and derivs.; L = divalent hydrocarbon chain; Q = a bond or a divalent hydrocarbon chain; X = H, CN, NO2, acyl, OH and derivs., SH and derivs., NH2 and derivs., (un)substituted cyclyl; provided that when X = -C(:O)OEt, then Q = divalent hydrocarbon chain and that certain compds. are absent; and their salts, prodrugs] were prepared as dipeptidyl peptidase IV inhibitors. For example, Boc-protection of Me 5-(aminomethyl)-6-isobutyl-2-methyl-4-(4-methylphenyl)nicotinate (preparation given), saponification, coupling of the acid with isobutylamine/deprotection gave II•2TFA. I show a superior dipeptidyl peptidase IV inhibitory activity, and are useful as agents for the prophylaxis or treatment of diabetes and related diseases.

IT 851579-65-2P, 5-(Aminomethyl)-6-isobutyl-2-methyl-4-(4-methylphenyl)nicotinonitrile dihydrochloride
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (drug candidate; preparation of pyridines as inhibitors of dipeptidyl peptidase IV useful for prophylaxis or treatment of diabetes)

RN 851579-65-2 HCAPLUS

CN 3-Pyridinecarbonitrile, 5-(aminomethyl)-2-methyl-4-(4-methylphenyl)-6-(2-methylpropyl)-, hydrochloride (1:2) (CA INDEX NAME)

10577561



● 2 HCl

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file reg			
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION	
FULL ESTIMATED COST	8.14	908.43	
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION	
CA SUBSCRIBER PRICE	-0.80	-0.80	

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Please note that search-term pricing does apply when conducting SmartSELECT searches.

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<http://www.cas.org/support/stngen/stndoc/properties.html>

=>
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L25 STRUCTURE UPLOADED

Updated Search

10577561

=> s 125
SAMPLE SEARCH INITIATED 17:16:24 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 8908 TO ITERATE

22.5% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 172503 TO 183817
PROJECTED ANSWERS: 0 TO 0

L26 0 SEA SSS SAM L25

=> s 125 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 177.90 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 17:16:28 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 177319 TO ITERATE

100.0% PROCESSED 177319 ITERATIONS 3 ANSWERS
SEARCH TIME: 00.00.04

L27 3 SEA SSS FUL L25

=> d his

(FILE 'HOME' ENTERED AT 17:00:03 ON 29 AUG 2008)

FILE 'REGISTRY' ENTERED AT 17:00:10 ON 29 AUG 2008

L1 STRUCTURE uploaded
L2 0 S L1
L3 STRUCTURE uploaded
L4 0 S L3
L5 0 S L3 FULL
L6 STRUCTURE uploaded
L7 0 S L6
L8 STRUCTURE uploaded
L9 0 S L8
L10 0 S L8 FULL
L11 STRUCTURE uploaded
L12 0 S L11
L13 STRUCTURE uploaded
L14 0 S L13
L15 0 S L13 FULL
L16 STRUCTURE uploaded
L17 0 S L16
L18 STRUCTURE uploaded
L19 0 S L18
L20 0 S L18 FULL
L21 STRUCTURE uploaded
L22 0 S L21
L23 3 S L21 FULL

10577561

FILE 'HCAPLUS' ENTERED AT 17:13:56 ON 29 AUG 2008
L24 1 S L23

FILE 'REGISTRY' ENTERED AT 17:14:09 ON 29 AUG 2008
L25 STRUCTURE uploaded
L26 0 S L25
L27 3 S L25 FULL

=> s l27 not 123
L28 0 L27 NOT L23

=>
Uploading C:\Documents and Settings\brobinsone\My Documents\atawetg.str

L29 STRUCTURE uploaded

=> s 129
SAMPLE SEARCH INITIATED 17:19:47 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 14429 TO ITERATE

13.9% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 281384 TO 295776
PROJECTED ANSWERS: 0 TO 0

L30 0 SEA SSS SAM L29

=> s 129 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 177.90 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 17:19:51 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 286329 TO ITERATE

100.0% PROCESSED 286329 ITERATIONS 3 ANSWERS
SEARCH TIME: 00.00.04

L31 3 SEA SSS FUL L29

=> d his
(FILE 'HOME' ENTERED AT 17:00:03 ON 29 AUG 2008)

FILE 'REGISTRY' ENTERED AT 17:00:10 ON 29 AUG 2008
L1 STRUCTURE uploaded
L2 0 S L1
L3 STRUCTURE uploaded
L4 0 S L3
L5 0 S L3 FULL
L6 STRUCTURE uploaded
L7 0 S L6
L8 STRUCTURE uploaded
L9 0 S L8

Updated Search

10577561

L10 0 S L8 FULL
L11 STRUCTURE uploaded
L12 0 S L11
L13 STRUCTURE uploaded
L14 0 S L13
L15 0 S L13 FULL
L16 STRUCTURE uploaded
L17 0 S L16
L18 STRUCTURE uploaded
L19 0 S L18
L20 0 S L18 FULL
L21 STRUCTURE uploaded
L22 0 S L21
L23 3 S L21 FULL

FILE 'HCAPLUS' ENTERED AT 17:13:56 ON 29 AUG 2008
L24 1 S L23

FILE 'REGISTRY' ENTERED AT 17:14:09 ON 29 AUG 2008
L25 STRUCTURE uploaded
L26 0 S L25
L27 3 S L25 FULL
L28 0 S L27 NOT L23
L29 STRUCTURE uploaded
L30 0 S L29
L31 3 S L29 FULL

=> s 131 not 123
L32 0 L31 NOT L23